

Product datasheet for **MC223493**

Rimbp2 (NM_001081388) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rimbp2 (NM_001081388) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rimbp2
Synonyms:	A930033C01Rik; mKIAA0318
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223493 representing NM_001081388 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGAGAGGCTGCTGAGCGCGGCAACAGCTGGAGTTGGAGCATGAGCAAGCCCTGGCCTTCCTCAATG
CCAAGCAGCAGGAGATCCAGCTACTGCAGCAGGCTCAGGTTGAAGCTAAGAAAGAGCATGAAGGTGCTGT
GCAGCTGTTAGAGAACCCCTGGACTGCATGCAGTCCAAGTCCGAGAGCTGGAAGAGAAATGCCGTGTG
CAGAGTGAGCAGTTAACTTGTGTCCCGGACCTGGAAGGTTCCGGCAACACACTGGGAGTATTGACC
TGCTGGGCGAGCAGCTCAGTGGCCCTGCTGGATGTTCCCTTGCCCTGGCAAGCCTTCCCTCAGTACAT
GAATGGACTAGCCACCTCCATCCACAAAGGTACGAGGGCCCCACTGGACACTACTCTGTGATTGGTGAC
TATATCCGCTGTCTGGGACAAGCTGGAGTCTCCGTGTGTGAAGCCCTCCTTCTCTTGGCATCCAGCA
GCCAAGATGCAGATTTGAGTCCGAGATGGACAATGACCGGAACCTAACAACCTCAAGCAAAGCAGCTC
GGGAAGGTGCACCTGTGTGGCCCGCTACAGTTACAACCCCTCGATGGGCCAATGAGAACCAGAA
GCTGAGCTGCCTCTCACGGCGGAAAGTACCTCTATGTCTATGGGACATGGATGAAGATGGGTTCTATG
AAGGAGAGCTTCTGGATGGGCAAAGGGGCTTGGTCCCTCCAACCTTGTGGATTTTATCCAGGACAATGA
GTCGCGGCTGGTACTCTGGGAGTGAGCAGGACCAGAATTTCTCAACCACTCTGGCATCAGTCTG
GAGCGCGACAGCATCCTTCACTTCACTCCCAACTCAAGTGGACTCGGGGATCACCGACATGGTGGGG
GGACCCTGGACGTGAACATCGACGACATCGGAGAAGACACCGTGCCTTACCCTAGGAAAATCACCTTAT
CAAACAGCTTGCAAAAGTGTATCGTGGGCTGGGAGCCCCCTGCTGTGCCTCCCGGCTGGGGCACCGTG
AGCAGTTATAATGTGCTGGTGGACAAAGAGACACGCATGAGCCTTGCCTGGGTAGGAGAACTAAGGCGC
TGATCGAGAACTTAACACAGCTGCCTGCACCTACCGCATCTCCGTGCAGTGCCTCACGAGCCGGGAAA
CTCAGACGAGCTGCAGTGCCTGCTGTTGGCAAGGATGTGGTGGTGGCACCGTCCAGCTGCGTGTG
GACAACATCACACAGATCTGCCCAGCTCTCGTGGCTGCCGACCAACAGTAACTACAGCCATATCATCT
TCCTCAACGAAGAAGAACTGGACATCGTGAAGGCAGCCAGGTACAAGTACCAATTTCAACCTCAGGCC
TAATATGGCTACAAGGTGAAGGTCTTGGCCAGCCACACAGATGCCCTGGCAGCTGCCGCTGGAGCAG
AGAGAAAAGAAGGAGCCTGTGTGGAGTTCTCCACGCTGCCTGCAGGACCTCCAGCCCCACCACAAGATG



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TCACTGTCCACGCTGGGGCCACAGCCGCTCTGTTCAGGTCTCCTGGAAGCCCCCTGCACTGACTCCCAC
 TGGTGTCCAATGGAGCAAATGTACAGGATACGGCGTGTACGCCAAAGGGCAGAGGGTGGCTGAGGT
 ATCGCCCCACGGCAGATGGCACGGCAGTGGAGCTGATCCGGCTGCGAAGCCTAGAGGCCAAGGCCGTGA
 GTGTGCGTACCCTGTCTGTACAGGGAGAGTCCATGGATTCTGCCCTCGTGCCATCCCCCTGACCTCT
 GGTGCCTCCAGCCCCCACCAGGACTGCTCCCCACAAAGCCATTAGCAAGTGACATGGATACCAAA
 GACCAACACCTGGGGCCCCACGTCAAAGTGGATGAGTCTGGGAGCAGAGCCGGTACCCGGGCCGTCAC
 ATGGCCACATGTTGGAACCACCTGACATGCACAGCGCTGGCCAGGCAGAAGGTACCCCTGCCAGCCG
 GATCCTTCTCAGCCACAAGGAGCCCCGTGTCTACCCTGTGCGCAAGGCCATGGCCCGTGAAGCTGCA
 CAGAGGGTGGCTGAGAGCAACAGGTTAGAGAAAAGGAGCCTCTTTCTAGAGCAAAGCAGTGCGGGCAAT
 ATACAACTCGGACGAGGAGGACGGCTACGCTCCCCGAGGTCAAGAGGAGAGGCACCTCAGTGGATGA
 CTTCTCAAAGGGTCAGAGCTGGCAAGCAGCCCCACTGTTGCCATGGAGATGAGTACCACAGAGAGC
 AGCCGGGGTTCAGACCTGTGCGACATCATGGAGGAGGATGAGGAGGAGCTATACTCAGAGATGCAGCTGG
 AGGATGGGGCCCGCTCGGCCAGCGGTACCTCTACAACGCCCTCAAGATTTTAGGAACTCCACGTT
 GATGGGACGAGCAGACCGGATGGAACACGTGAGCCGAAGGTATTCACACAGTGGCGGAGGGTCTCATAGG
 CACCGCCAGCGATGGCTCCATCCATTGATGAATACACCGGGCAGACCATCTTTCTCAGACTTCTATG
 ATGAGTCCGAAACTGACCTGGTGTGAGGAGCTCCAGCCGATCTTTGTGGCTCTGTTGACTATGA
 CCCACTGACCATGTCCCCAAACCAGACGCTGCTGAAGAGGAGCTTCCCTTCAAAGAAGGACAGATCATC
 AAGGTATATGGAGACAAAGACGCAGATGGCTTCTACCGTGGGAGACCTGTGCCAGGCTCGGCCTCATTC
 CCTGTAACATGGTCTCTGAGATCCATGCGGATGATGAGGAGATGATGGATCAGCTGCTGAGGCAAGGCTT
 CCTCCCTCTGAACACGCCTGTGGAGAAAATAGAGAGAAGTAGAAGAAGCGGCCGGGGTCACTCTGTACCC
 ACACGAAGAATGGTGGCTCTCTACGACTATGATCCTAGGGAAAGCTCTCCTAACGTGGATGTTGAGGCTG
 AACTTCCATTTTGACAGGAGACATTATTACTGTTTTTGGTGAATCGATGAAGATGGATTTTATTATGG
 AGAGCTGAATGGCAAAAAGGCCTCGTGCCTTCCAATTTCTGGAAGAAGTGCCTGATGATGAGGAGTC
 CACCTTTCTGATGCTCCGCCCACTACTCCACGACCCGCCCATGCGCTCCAAGGCCAAAAGGAAGA
 GTGTTCAATTCACACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081388
- Insert Size:** 3240 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM_001081388.2](#), [NP_001074857.1](#)

RefSeq Size: 7020 bp

RefSeq ORF: 3240 bp

Locus ID: 231760

UniProt ID: [Q80U40](#)

Cytogenetics: 5 G1.3

Gene Summary: Plays a role in the synaptic transmission as bifunctional linker that interacts simultaneously with RIMS1, RIMS2, CACNA1D and CACNA1B.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.